

I Appendix I: BMP Efficiencies and Costs

Efficiencies: BMP definitions and reduction efficiency information is available in the “Best Management Practices” section of the Bay Program web site:

www.chesapeakebay.net/tribtools.htm

Costs: The following are typical BMP unit costs in Maryland as of 2005.

BMP Category	Unit	Unit Costs			
		Capital	Rate	Term	O&M
AGRICULTURAL BMPs					
Conservation Plans	acres	\$280	5%	10	\$0
Conservation Tillage	acres	\$8/\$17	0%	1	\$0
Cover Crops	acres	\$0	0%	1	\$40
Small Grain Commodity	acres	\$0	0%	1	\$20
Alternative Crops	acres	\$0	0%	1	\$25
AWMS, SP	systems				
AWMS - Livestock	systems	\$63,533	5%	15	\$2,541
AWMS - Poultry	systems	\$26,627	5%	15	\$1,065
Runoff Control	systems	\$7,058	5%	15	\$282
Stream Protection w/Fencing	systems	\$1,000	5%	10	\$40
Stream Protection w/o Fencing	systems	\$670	5%	10	\$27
Nutrient Management	acres	\$30	0%	10	\$0
Retirement BMPs	acres				
Retirement HEL	acres	\$120	5%	10	\$5
Buffers Forested	acres	\$1,000	5%	25	\$40
Buffers Grassed	acres	\$140	5%	10	\$6
Wetlands	acres	\$3,500	5%	30	\$140
Tree Planting (Ag)	acres	\$615	5%	25	\$25
Precision Agriculture	acres	\$28	0%	8	\$0
Horse Pasture Management	systems	\$4,317	5%	15	\$173
Alternative Manure Mgt	tons exported	\$0	0%	1	\$20
Phytase Feed Additive	% reduced	\$0	0%	1	\$1,000,000
Ammonia Emission Reduction	operation	\$13,000	0%	8	\$0
Oyster Aquaculture	trays	\$125	0%	1	\$24
URBAN BMPs					

SWM (New)	acres	\$3,500	5%	20	\$175
SWM Retrofits (Old)	acres	\$3,500	5%	20	\$175
SWM Retrofits (Recent)	acres	\$3,500	5%	20	\$175
Erosion and Sediment Control	acres	\$0	5%	20	\$5,800
Urban Nutrient Management	acres	\$6	5%	3	
Buffers Forested, Urban	acres	\$1,200	5%	25	
Urban Tree Planting	acres	\$4,356	5%	25	
Stream Restoration, Urban	feet	\$224	5%	25	
SEPTICS					
Sprawl Reduction	acres	\$0			\$0
Enhanced Septic Denitrification	systems	\$7,500	7%	20	\$300
Septic Connections	systems	\$17,500	7%	20	